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|---|--|---|--|---|--|
| FORM PTO-1390<br>(REV. 12-2004)   |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE |  | ATTORNEY'S DOCKET NUMBER<br>1454.1658                               |  |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>   |  |   |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/563223</b> |  |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP2004/051266  |  | INTERNATIONAL FILING DATE<br>28 June 2004               |  | PRIORITY DATE CLAIMED<br>4 July 2003                                |  |
| TITLE OF INVENTION<br>ANALYSIS OF A REGULATORY GENETIC NETWORK OF A CELL  |  |   |  |   |  |
| APPLICANT(S) FOR DO/EO/US<br>Mathäus DEJORI et al.  |  |   |  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |   |  |   |  |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.  |  |   |  |   |  |
| 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.   |  |   |  |   |  |
| 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.  |  |   |  |   |  |
| 4. <input checked="" type="checkbox"/> The US has been elected (Article 31).  |  |   |  |   |  |
| 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul>  |  |   |  |   |  |
| 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul>  |  |   |  |   |  |
| 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> |  |   |  |   |  |
| 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).  |  |   |  |   |  |
| 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).   |  |   |  |   |  |
| 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).   |  |   |  |   |  |
| <b>Items 11 to 20 below concern document(s) or information included:</b>  |  |   |  |   |  |
| 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.   |  |   |  |   |  |
| 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.   |  |   |  |   |  |
| 13. <input checked="" type="checkbox"/> A preliminary amendment.  |  |   |  |   |  |
| 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.   |  |   |  |   |  |
| 15. <input checked="" type="checkbox"/> A substitute specification, including a marked-up copy.   |  |   |  |   |  |
| 16. <input type="checkbox"/> A power of attorney and/or change of address letter.   |  |   |  |   |  |
| 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.   |  |   |  |   |  |
| 18. <input checked="" type="checkbox"/> A copy of the published international application under 35 U.S.C. 154(d)(4).  |  |   |  |   |  |
| 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).  |  |   |  |   |  |
| 20. <input checked="" type="checkbox"/> Other items or information: International Search Report and Written Opinion of the ISA (with English translation of Written Opinion)  |  |   |  |   |  |

|   |              |  |            |                          |                 |
|---|--------------|--|------------|--------------------------|-----------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)   |              | INTERNATIONAL APPLICATION NO.                    |            | ATTORNEY'S DOCKET NUMBER |                 |
| 10/563223   |              | PCT/EP2004/051266                                |            | 1454.1658                |                 |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:   |              |  |            | APPLICANT USE            | OFFICE USE ONLY |
| <input checked="" type="checkbox"/> a) Basic National Fee ..... \$300.00  |              |  |            | \$300.00                 |                 |
| 22. <input checked="" type="checkbox"/> b) Examination Fee<br>If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1) - (4) ..... \$0<br>All other situations ..... \$200.00   |              |  |            | \$200.00                 |                 |
| 23. <input checked="" type="checkbox"/> c) Search Fee (37 CFR 1.492(b))<br>If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1) - (4) ..... \$0<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Search Authority....\$100<br>International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400<br>All other situations ..... \$500<br>TOTAL OF ABOVE CALCULATIONS = \$ *** |              |  |            | \$500.00                 |                 |
|   |              |  |            | \$1,000.00               |                 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each addition 50 sheets of paper or fraction thereof.  |              |  |            |                          |                 |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction thereof | Rate       |                          |                 |
| * - 100 =   | */50=        |  | X 250.00   |                          |                 |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).  |              |  |            | \$                       |                 |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA                                     | RATE       | \$                       |                 |
| Total claims  | 23- 20 =     | 3  | x \$50.00  | \$150.00                 |                 |
| Independent claims  | 2- 3 =       | 0  | X \$200.00 | \$0.00                   |                 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |  | + \$360.00 | \$                       |                 |
| TOTAL OF ABOVE CALCULATIONS =   |              |  |            | \$1150.00                |                 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |  |            | \$                       |                 |
| SUBTOTAL =  |              |  |            | \$                       |                 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492)(i).   |              |  |            | \$                       |                 |
| TOTAL NATIONAL FEE =  |              |  |            | \$                       |                 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +  |              |  |            | \$40.00                  |                 |
| TOTAL FEES ENCLOSED =   |              |  |            | \$1,190.00               |                 |
| Amount to be refunded:  |              |  |            |                          | \$              |
| Amount to be charged:   |              |  |            |                          | \$              |

- a. ☒ A check in the amount of \$1,190.00 to cover the above fees is enclosed.  
b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.  
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-3935. A duplicate copy of this sheet is enclosed.  
d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Staas & Halsey LLP  
1201 New York Avenue, N.W., Suite 700  
Washington, DC 20005

Richard A. Gollhofer  
SIGNATURE

Richard A. Gollhofer

NAME

1/4/06

Date

31,106

REGISTRATION NUMBER